



EUCON™ VANDEX™ AM-10L

LIQUID INTEGRAL CRYSTALLINE WATERPROOFING ADMIXTURE

EUCLID CHEMICAL

PRODUCT INFORMATION

PACKAGING

Available in 55 gallon (208 L) drums, 275 gallon (1041 L) totes, and bulk

SHELF LIFE

1 year when stored above 32°F (0°C) in original, unopened container

SPECIFICATION/COMPLIANCES

ASTM C494 Type S

TECHNICAL INFORMATION

Specific Gravity: 1.10 (9.2 lb/gal)

DESCRIPTION

EUCON VANDEX AM-10L is a liquid integral crystalline admixture formulated to interact with concrete capillary pore structures to provide a system that greatly reduces the permeability of concrete through the formation of tiny crystals that block the pores. It can also seal microscopic cracks and can contribute along with other products like sealers to a system that waterproofs a structure. EUCON VANDEX AM-10L can be used in above and below grade applications. EUCON VANDEX AM-10L contains no added chlorides or chemicals known to promote the corrosion of steel.

PRODUCT CHARACTERISTICS

FEATURES & BENEFITS

- Permeability Reducing Admixture for Hydrostatic conditions (PRAH)
- Reduces water penetration
- Interior or exterior applications
- Liquid material that is easily dispensed with conventional equipment
- Improves chemical resistance
- Negligible affect on working time
- Can seal hairline cracks up to 0.5 mm

PRIMARY APPLICATIONS

- Waste Treatment Facilities
- Foundations & Basements
- Tunnels & Subways
- Dams & water reservoirs
- Manholes
- Underground Vaults
- Parking Structures
- Water Containment Structures
- Swimming Pools

PRECAUTIONS/LIMITATIONS

- Eucon VANDEX AM-10L should be added to the sand or water.
- Do not add Eucon VANDEX AM-10L at the end of the batching sequence. Adding to the end of the batching sequence may result in extended setting characteristics or premature stiffening of the concrete.
- Eucon VANDEX AM-10L may require a slight increase in air entrainer dosage
- In all cases, consult the Safety Data Sheet before use.
- Preliminary testing is encouraged to ensure concrete performance of all project concrete ingredients.

TECHNICAL INFORMATION

PERFORMANCE DATA

Results were obtained under laboratory conditions with materials meeting the specifications of the stated ASTM/DIN/CRD method. Changes in the materials, mix design, mixing methods, temperature, and site conditions can affect the dosage response. Trial mixes should be run in order to confirm design dosage response and that the concrete requirements are met.

Test Type	Method	Test Parameters	Performance Relative to Control
Water Penetration	DIN 1048	72 psi Head Pressure	40% Reduction
Water Permeability	CRD C48-92	200 psi Head Pressure	>70% Reduction
Capillary Absorption	ASTM C-1585		>40% Reduction
Resistance to Chloride Penetration	ASTM C1202		10% Improvement

DOSAGE

Eucon Vandex AM-10L is typically dosed at 2 - 4% by weight of cementitious material for most applications. This is equal to 28-56 oz/cwt (1825 – 3650 mL /100kg) by weight of cementitious material for most applications. Reduce the design water content to a volume equivalent to Eucon Vandex AM-10L batched. Please consult your local Euclid Chemical representative for further dosage recommendations.

DIRECTIONS FOR USE

Eucon VANDEX AM-10L can be used in drum mixed and central batched concrete applications. It should be added to the sand or water. Concrete should be mixed a minimum of 10 minutes, at normal mixing speed, after all concrete constituents have been batched to ensure thorough dispersion of all materials. It should not come in contact with dry cement or other admixtures until mixed in the concrete batch.

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